

## **REORDERING DATA BETWEEN A FIRST PREDEFINED ORDER AND A SECOND PREDEFINED ORDER WITH SECONDARY HARDWARE**

### **Abstract of the Disclosure**

Offloading the reordering of data between a first predefined order and a  
5 second predefined order by causing a secondary processor to perform an operation  
that was originally intended for another function, such as rendering a geometric  
shape. Pixels of image data are thus reordered from pixilated little endian order to  
big endian order with standardized textured draw operations performed by a graphics  
coprocessor. Preferably, only data that changed from a previous processing cycle are  
10 reordered. Subdivisions of the data are determined as a function of a predefined  
datum size. Further subsets of each subdivision can also be determined with a  
predefined mask, so that reordering can be applied to multiple subsets at a time.  
Coordinates of each subdivision are used as input to the secondary processor  
operation, which transforms the position of each datum so as to reorder the data  
15 between the first predefined order and the second predefined order.